

further reason for placing the filter at a distance as above noted from the source I find that many filter media are unstable when unduly heated, and as a result cause non-uniform effects.

I claim:

1. In a color fading and testing apparatus, in combination, a source of light, means for holding color samples for exposure to said source, and light filtering means carried by said holding means and positioned between the sample and the said light source adapted to stop rays capable of producing heat at the sample.

2. In combination in a color fading and testing apparatus, a source of light, a casing about said light, color sample holding means mounted over openings in said casing, light filtering means interposed between said casing and said source, and light filtering means carried by said sample holding means interposed between the sample and said source.

3. In combination in a color fading and testing apparatus, a source of light, a casing about said light, color sample holding means mounted over openings in said casing, and light filtering means carried by said sample holding means interposed between the sample and said source.

4. In combination in a color fading and testing apparatus, a source of light, a casing about said light, color sample holding means mounted over openings in said casing, and light filtering means interposed between said casing and said source and pivotally mounted near the casing wall and rotatable on said mounting to register over said openings or to be aligned radially with respect to the source and the casing.

5. In combination in a color fading and testing apparatus, a source of light, a casing about said light, color sample holding means mounted over openings in said casing, spindles rotatably mounted on said casing and passing near the edges of said opening, and light filtering means mounted on said spindles.

6. In combination in a color fading and testing apparatus, a source of light, a casing about said light, color sample holding means mounted over openings in said casing, light filtering means mounted within said casing between the openings therein and the ends of said casing, and means for moving said light filtering means into registry with said openings.

7. In a color fading and testing apparatus, in combination, a source of light, means for holding a color sample for exposure to light from said source, and a filter between said light source and a sample held by said means, whereby only selected radiations from said source are permitted to reach said sample.

8. In a color fading and testing apparatus, in combination, a source of light, means for

holding a color sample for exposure to light from said source, and a filter between said light source and a sample held by said means, said filter being permeable to rays capable of fading said sample of wave lengths longer than 2800 Ångstrom units, but substantially impermeable to rays of shorter wave lengths.

9. In a color fading and testing apparatus, in combination, a source of light, means for holding a color sample for exposure to light from said source, and a filter between said light source and a sample held by said means, said filter being permeable to radiations having wave lengths between 4000 and 2800 Ångstrom units, but substantially impermeable to radiations of shorter wave lengths.

Signed at Hoboken in the county of Hudson and State of New Jersey this 27th day of June, 1924 A. D.

LEROY J. BUTTOLPH.

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